

Work Order ID 141808 - 1

February 12, 2016 3:49:45 PM

141808

Please cut Feb 16 or 17.

Page 1

Item ID: D3565-1

Accept

N9000040100

Setup Start

NS1

Revision ID:

Stop

NS2

Item Name: Wearplate

Start Date: 2/12/2016 Start Qty: 24.00

54

20

SW

Cust Item ID:

Required Date: 2/18/2016 Req'd Qty: 24.00

54

20

Customer:

Reference:

Approvals: Process Plan: SW Date: 20160212

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr

Revision Nbr

D3565

C

100

0.00

100

FLOW WATER JET

Waterjet

Memo

0.00

FLOW CNC Waterjet

1-Cut as per Dwg D3565

Dwg Rev: C

Prog Rev: C

2-Deburr if necessary

(24)

02/16/2018

110

QC2- Inspect parts off machine FAI/FAIB

0.00

110

QC

Memo

0.00

Quality Control

(24)

02/16/2018

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					

Root Cause				FAULT CATEGORY							
Environment	☐		No Re-verification		Pressure/Forced		Temperature/Cure		Power Loss/Surge		Positioned Wrong
Design	☐		Operator		Bending		Set-up		Folio/Program		Outside Dimensions
Doc/Data	☐		Offset/Setup		Centre Not Concentric		BOM/Route		Grain		Over/Under tolerance
Equip/Tooling	☐		Supplier		Cracks		Broken/Damage/Defect		Weld		Part Incorrect
Handling/Pre	☐		Training		Crimp/Kink/Ripple/Wave		Inspection Incomplete/Unqualified		Wrong Stock Pulled		Part Lost/Missing
Material	☐		Use for Testing		Cuffs		Contamination		Out of Sequence		Part Moved
Internal Transport	☐		Poor Information		Crushing		Countersink		Off-set		Drawing
Tribal Knowledge	☐		Rushing		Heat Treat		Cut Too Short		Mislabeled		Finish
LOA	☐		Product Improvement		Wave/Twist in Tube		Instructions Incomplete/Unclear		Fit/Function		Misread
Substation	☐		Process Improvement		Marks/Chatter		Drill Holes		Misaligned/off center		Turning Sequence
Past Expiry Date	☐		Manufacturing Process	OTHER : _____							
Misidentified	☐		Past Due								

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Page 2

Item ID: D3565-1 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Wearplate
Start Date: 2/12/2016 Start Qty: 24.00 ***24*** Cust Item ID:
Required Date: 2/18/2016 Req'd Qty: 24.00 ***24*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept. Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC8- Inspect parts - second check	0.00							
120						(24)	16-02-19.		DAS
QC	Memo	0.00							9
Quality Control									9-89

130 Weld per dwg A/R S.S. rod Batch: m123823 0.00
130 Large Fab
Large Fab Memo 0.00
Large Fab 1-Weld D3009-3 cups as per dwg D3565

using DT8991 jig

2-WELD HARDCOAT
2059B HARDCOAT BATCH: m129694 → 80596

140 QC9- Inspect visual per QSI004- Fusion Welds 0.00
140 QC Memo 0.00
Quality Control

*20 212 16/02/23

(20) 16-02-25 AD

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

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Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
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Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : ☐							
Misidentified ☐	Past Due ☐								

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Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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150	QC5- Inspect part completeness to step on W/O	0.00							
150									
QC	Memo	0.00							
Quality Control									

20 16-02-25 PD.

160	Grey Sandtex(Ref:4.3.5.6) per QSI005 4.3	0.00							
160									
Powdercoat	Memo	0.00							
Powder Coating	START TIME: <u>8:35</u> OVEN TEMPERATURE: <u>320</u>								
	FINISH TIME: <u>9:05</u>								

20 16-02-26

170	QC3- Inspect Part Finish	0.00							
170									
QC	Memo	0.00							
Quality Control									

20

DAS
38
9-89

FEB 26 2016

DQA: _____ Date: _____



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Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
				Completed By					
				Lead hand / Supervisor Approval Verification					
				QC / QA Coordinator Approval					

Root Cause				FAULT CATEGORY							
Environment	☐	No Re-verification	☐	Pressure/Forced	☐	Temperature/Cure	☐	Power Loss/Surge	☐	Positioned Wrong	☐
Design	☐	Operator	☐	Bending	☐	Set-up	☐	Folio/Program	☐	Outside Dimensions	☐
Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	BOM/Route	☐	Grain	☐	Over/Under tolerance	☐
Equip/Tooling	☐	Supplier	☐	Cracks	☐	Broken/Damage/Defect	☐	Weld	☐	Part Incorrect	☐
Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Part Lost/Missing	☐
Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Part Moved	☐
Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Drawing	☐
Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	Finish	☐
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Misidentified	☐	Past Due	☐								

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Approvals: Process Plan: Date: Tooling: Date: Run Start ***NR1***
QC: Date: SPC (Y/N): Date: Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
180	Identify as per dwg & Stock Location: <u>ST185</u>	0.00							
180									
Packaging	Memo	0.00				<u>20</u>	<u>ML5</u>	<u>16-02-26</u>	
Packaging									
190	QC21- Final Inspection - Work Order Release	0.00							
190									
QC	Memo	0.00				<u>ML5</u>		<u>FEB 26 2016</u>	
Quality Control									

ML5 FEB 26 2016

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Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
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Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
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Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

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Page 1

Work Order ID: 141808

141808

Parent Item: D3565-1

D3565-1

Parent Item Name: Wearplate

Start Date: 2/12/2016

Required Date: 2/18/2016

Start Qty: 24.00

Required Qty: 24.00

Comments: IPP Rev :A New Issue 07-01-16 JLM
IPP rev B revB dwg 07.04.18 ec
IPP Rev:C rev.c as per dwg 08-01-14 DD verified by:
IPP Rev: D QC5 added to step 8 08.12.22 KJ Verified by:

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
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D3009-3		Manufactured	No			100	Each	72.0000	3	72			
D3009-3													
Cup													

**

60 ru 16/02/23

Location	Loc Qty	Loc Code
WA001	8	
137208	8	
WA002	64	
140146	64	

M304S16GA

Purchased No

130 sf 150.3500 0.135 3.410526

M304S16GA

304/316 Sheet .063

**

16/02/18

Location	Loc Qty	Loc Code
MAT019	150.35	
m13351	6.5	
m134067	47.85	
m134158	96	

1

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Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
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Misidentified ☐	Past Due ☐								



